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UNITED STATES DEPARTMENT OF AGRICULTURE
Production and Marketing Administration
Grain Branch

WEEKLY STATISTICAL GRAIN MARKET REPORT

Trial Run

Washington 25, D. C.

December 19, 1952

GRAIN PRICES DECLINE - DEMAND CONTINUES INACTIVE

Grain markets continued weak with most prices lower for the week ended December 18, reports to the Department of Agriculture indicate. Wheat prices declined 2-3¢ per bushel despite export sales of over 18 million bushels under the International Wheat Agreement during the week. Factors which contributed to the weakness were favorable weather for the 1953 crop and a less active domestic demand. Durum wheat prices averaged 10¢ lower while rye prices dropped about 2¢ per bushel. Corn prices declined 3-4¢ reflecting the less active demand and continued large marketings. Oats, barley, and grain sorghum prices averaged about unchanged, but the market tone was generally weak. Soybean prices were lower with quotations down about 3¢ while flaxseed prices advanced slightly reflecting light offerings.

1952 U. S. GRAIN PRODUCTION: The third largest United States wheat crop of record, 1,291 million bushels, was produced this year, according to revised Bureau of Agricultural Economics production data. Rye production at 16 million bushels is little more than half the 10-year average and the smallest in over 80 years. Feed grains totaled 120.7 million tons in 1952, nearly 7 percent more than in 1951 and the fifth largest of record. The second largest corn crop of 3,307 million bushels is of excellent quality. The outturn of oats at 1,268 million bushels is only 3 percent below average. Barley production at 227 million bushels was less than three-fourths the 10-year average and the grain sorghum harvest of 83.3 million bushels was little more than half last year's production. Soybean production of nearly 292 million bushels this year was the second largest of record but the flaxseed crop of 31 million bushels was 11 percent less than a year ago and 19 percent below average.

WORLD WHEAT PRODUCTION: The 1952-53 world wheat crop totaled 7,235 million bushels, the highest of record, according to the most recent estimates of the Office of Foreign Agricultural Relations. This compares with 6,480 million for 1951-52 and the previous record of 6,610 million in 1938-39. Sizable increases were reported for Canada, the United States, and Argentina. The Argentine crop is currently estimated at 235 million bushels compared with only 75 million last year, while the crop in Australia at 161 million is only slightly above last year. Wheat production in Europe was estimated at 1,650 million bushels compared with 1,585 million last year. Exports of wheat from the four principal exporting countries totaled 340 million bushels July-November this year compared with 410 million the same months of 1951. Of these countries, Canada was the only one to show an increase in exports compared with a year ago.

IWA SALES: Sales under the International Wheat Agreement increased sharply during the week ended December 16 and totaled 18.1 million bushels compared with 2.7 million the previous week and 11.2 million for the corresponding week a year ago. Total sales for the 1952-53 season to date were 138.8 million bushels as against 196.8 million last year.

U. S. EXPORTS: Inspections of wheat for export totaled 4.1 million bushels for the current week as against 7.0 million for the comparable week a year ago. Based on official Census Bureau reports for July-October and an estimate for November, exports of wheat and flour totaled about 125 million bushels the first five months of this season compared with 184 million the same months last season. Inspections of corn for overseas export continued large and totaled 3.1 million bushels for the week ending December 12. Total exports for October-November totaled over 22 million bushels compared with 12 million exported the same months a year ago. Barley inspections dropped to 306,000 bushels for the week ended December 12, but exports through November totaled 21 million as against 13 million the year before. Over 1.5 million bushels of soybeans were inspected for overseas export during the week ended December 12 and the total estimated exports for October-November amounted to 8.3 million bushels as against 4.7 million the same months of 1951.

U. S. IMPORTS: Imports of oats continue heavy with nearly 30 million bushels received from Canada July through November this year compared with 27 million the same months last year. A little over 11 million bushels of barley were imported the first five months of this season compared with less than 7 million bushels the same months of 1951. Imports of wheat for domestic use totaled 14 million bushels July-November this year, or about the same as last year.

Cash Grain closing prices compared with 1952 effective support price at principal terminals 1/

All prices rounded to nearest cent per bushel except grain sorghums per cwt.

Commodity	Market	Grade	Dec. 20 1951	Dec. 11 1952	Dec. 18 1952	1952 Effec- tive Support Price Dec. 19
WHEAT	Chicago	No. 2 Hard Winter	258	233	230	246
		No. 2 Red Winter	258	231	230	246
	St. Louis	No. 2 Red Winter	264	232-234	231-233	246
	Kansas City	No. 2 Hard Wtr. Ord. Pro.	251-252	242-243	239-240	242
		No. 2 H.W. 13% Prot.	250-253	245-250	241-245	243
		No. 2 Red Winter	251-257	242-245	239-241	242
	Fort Worth	No. 2 Hard Winter	272	262	259	2/ 256
		No. 1 DNS, Ord. Prot.	248-250	239	237	245
	Minneapolis	No. 1 DNS, 15% Prot.	253-255	252-255	249-252	249
		No. 2 H. Amber Durum	270-278	305-306	293-297	245
	Portland	No. 1 Hard Wh. 12% Prot.	247	265	265	242
		No. 1 Soft White	245	238	238	239
RYE	Minneapolis	No. 2	196-206	189-191	187-189	156
CORN	Chicago	No. 2 Yellow	197	168	163	-
	St. Louis	No. 2 Yellow	200	169-170	164	-
	Kansas	No. 2 Yellow	194-200	162-164	158-161	-
	City	No. 2 White	220-228	217-221	213-218	-
	Minneapolis	No. 2 Yellow	196-197	155-157	152-154	-
	Omaha	No. 2 Yellow	188-198	154-156	153-154	-
OATS	Chicago	No. 2 Heavy White	101	94	96	-
	Kansas City	No. 2 White	103-109	93-98	93-98	-
	Minneapolis	No. 2 White	93-95	81-82	80-82	-
BARLEY	Kansas City	No. 3	148-151	143-152	143-152	131
		No. 2 Malting	162-170	166-170	165-170	136
	Minneapolis	No. 3	141-147	141-156	140-156	133
		No. 3 Feed	135-140	120-135	120-134	133
FLAXSEED	Minneapolis	No. 1	453	409	410	397
SOYBEANS	Chicago	No. 2 Yellow	302	298	295	-
	Minneapolis	No. 2 Yellow	287	283	281	-
	Illinois Pts	No. 2 Yellow	293-294	287-290	284-287	-
GRAIN	Kansas City	No. 2 Yellow Milo	283-289	302-304	302-304	276
SORGHUMS	Fort Worth	No. 2 Yellow Milo	307-312	338-343	338-343	-

1/ Cash grain closing prices are not the range of cash sales during the day but are on track cash prices established at the close of the market. The 1952 effective support price is the announced 1952 price support when received by rail for the specified terminal market minus the deduction for storage as of the date shown. A comparison of the above effective price support rate and the current cash closing price is an indication of whether the current market price is above or below the loan rate provided the location of the grain is on track at the specified terminal.

Terminal price support rates are not established for corn, oats, or soybeans at any market, nor for wheat and grain sorghums at Fort Worth. Price support rates are established for barley, black barley, and western barley. No premium is established for malting barley, and no discount for feed barley.

2/ Galveston effective support price. The cash price at Fort Worth is usually backed by paid in freight which will carry it to Galveston. Therefore cash prices at Fort Worth may usually be compared with the effective support price at Galveston. A terminal support price is not established for Fort Worth.

Commodity Credit Corporation estimated non-committed inventory of
grains as reported by Commodity Offices for week
ending December 12, 1952

Commodity office	Wheat	Corn	Oats	Barley	Rye	Grain Sorghums	Flaxseed
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 cwt.	1,000 bushels
Chicago	677	170,395	1,159	-	-	-	-
Kansas City	19,931	47,701	3	-	-	90	-
Minneapolis <u>1/</u>	51,461	58,342	3,240	1,000	37	-	143
Dallas	45,545	-	-	-	-	-	-
New Orleans	78	2	1	-	-	-	-
New York	13,171	-	2	-	-	-	-
Portland	68	854	-	-	-	-	-
San Francisco	329	-	-	-	-	-	-
December 12, 1952	131,260	277,294	4,405	1,000	37	90	143
December 4, 1952 ..	131,855	278,424	4,405	1,000	43	94	144

1/ In addition the Commodity Credit Corporation owned 1,000 bushels of soybeans reported by the Minneapolis Commodity Office.

United States Wheat Supply and Distribution
1952-53 Season with Comparisons

	1946-50 average	1951-52	<u>2/</u> 1952-53 Preliminary
---Million bushels---			
Carry-over stocks, July 1	222.4	396.2	257.0
New crop	1,184.7	980.8	1,291.4
Total supply	1,407.1	1,377.0	1,548.4
Estimated quantity for feed, seed, and industrial use for season <u>1/</u>	222.5	170.0	175.0
Quantity remaining for milling, export, or carry-over	1,184.6	1,207.0	1,373.4
Disappearance, July 1 through November 30			
Milled for flour	259.8	227.9	227.0
Exported as grain	116.2	166.8	108.8
Total milled and exported	376.0	394.7	335.8
Balance on December 1 for milling, export, or carry-over	808.6	812.3	1,037.6
Imports, July-November	0.3	14.6	14.2
Exports of flour in grain equivalent, July-November	44.0	17.2	15.8

1/ Includes an estimate for breakfast food which is not included in the quantity of wheat milled for flour. Does not include imports, the major portion of which is used for feed.

2/ Data for November 1952 estimated.

Grains: Inspected for overseas export for current week with comparisons

Grains	Season to date 1/		Week ending		
	1951-52	1952-53	Dec. 14, 1951	Dec. 5, 1952	Dec. 12, 1952
--- All data in 1,000 bushels ---					
Wheat	177,474	113,450	7,022	3,474	4,104
Corn	12,190	27,485	2,129	5,614	3,148
Oats	745	53	2	0	0
Barley	12,578	20,368	1,462	1,515	306
Rye	423	546	0	0	0
Grain sorghums ...	12,417	1,080	793	0	0
Soybeans	5,001	9,114	223	894	1,550
Flaxseed	1,898	208	20	0	0

1/ The season for corn, grain sorghums, and soybeans begins October 1 instead of July 1.

Data are based on weekly reports of inspections by licensed grain inspectors. Official monthly export figures are based on Customs declarations reported by the Bureau of the Census

Grains: Imports from Canada for U. S. consumption for current week with comparisons

Week Ending	Wheat 1/	Oats	Barley	Rye
	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.
December 11, 1952	1,058	2,079	275	123
December 4, 1952	601	1,058	1,534	---
December 13, 1951	1,226	348	362	---
Season to date				
July 1-December 11, 1952	18,730	30,080	12,178	688
July 1-December 13, 1951	18,510	24,657	7,429	738

1/ Includes wheat for milling in bond which totaled 1,591,909 bushels for July-November 1951 and 2,307,078 bushels for July-September 1952, according to the Bureau of the Census.

Board of Grain Commissioners for Canada, Statistics Branch. Based on returns from Canadian elevator licensees and shippers and advice from American grain correspondents.

Wheat: Sales under the International Wheat Agreement by the United States, current week with comparisons

Item	Season to date		Week ending		
	1951-52	1952-53	Dec. 18 1951	Dec. 9 1952	Dec. 16 1952
--- All data in 1,000 bushels ---					
Wheat (grain only)	170,347	117,789	10,432	1,902	17,193
Flour (grain equivalent)	26,433	20,965	787	751	922
Total	196,780	138,754	11,219	2,653	18,115
Guaranteed quota for the U.S. :	255,149	253,128	---	---	---
Balance remaining for sale ... :	58,369	114,374	---	---	---

Grains: Receipts at primary markets for current week with comparisons

Grains	Season to date 1/		Week ending		
	1951-52	1952-53	Dec. 20	Dec. 11	Dec. 18
	: July 1-Dec. 20:	: July 1-Dec. 18:	1951	1952	1952
--- All data in 1,000 bushels ---					
Wheat 2/	303,061	330,451	6,483	5,207	5,693
Corn 2/	84,989	132,757	8,030	8,958	8,221
Oats 2/	74,245	77,001	2,157	1,972	2,066
Rye 2/	12,706	8,098	226	500	83
Barley 3/	67,842	65,605	1,778	1,644	2,200
Flaxseed 3/ ...	22,886	19,627	434	281	264

1/ The season for corn begins October 1 instead of July 1.

2/ Chicago, Milwaukee, Minneapolis, Duluth, St. Louis, Kansas City, Peoria, Omaha, Indianapolis, Sioux City, St. Joseph, and Wichita.

3/ Chicago, Duluth, Milwaukee, and Minneapolis.

United States stocks of grain in commercial storage and afloat at terminal markets, current week with comparisons 1/

Grains	December 15	December 6	December 13
	: 1951	: 1952	: 1952
--- All data in 1,000 bushels ---			
Wheat	198,811	272,227	267,551
Corn	51,006	65,284	65,741
Oats	27,341	26,479	25,104
Barley	25,848	16,911	16,061
Rye	6,252	2,716	3,067
Flaxseed	6,219	7,378	7,272
Soybeans	10,273	16,288	15,195
Grain sorghums	33,764	4,937	4,868

1/ Stocks in commercial storage include all grain in public elevators as well as Government-owned stocks at 45 principal terminal markets, but does not include stocks in elevators attached to flour mills, crushing plants, and other processing facilities.

Wheat: International Wheat Agreement export payment rates effective on December 19, 1952

Region	Wheat	Flour
	: Cts. per bu.	: Cts. per cwt.
Gulf Coast: To all European ports, the Middle East, all of Africa, and adjacent islands	58	156
To the Far East and adjacent areas .	56	151
To the West Indies and Latin America :	53	144
East Coast: To all destinations	58	154
West Coast: To all destinations	57	150

The rate period expires on July 31, 1953.

CROP PRODUCTION: ANNUAL SUMMARY, 1952

The Crop Reporting Board of the Bureau of Agricultural Economics makes the following REPORT OF CROP ACREAGE AND PRODUCTION for the United States, from reports and data furnished by crop correspondents, field statisticians, and cooperating State agencies.

CROP	ACREAGE HARVESTED				PRODUCTION			
	(in thousands)				(in thousands)			
	Average: :1941-50:	1951	1952	Unit	Average : 1941-50 :	1951	1952	
Corn, all	86,909:	80,736:	81,359:	Bu.	3,011,652:	2,899,169:	3,306,735	
Wheat, all	63,354:	61,492:	70,585:	Bu.	1,084,664:	980,810:	1,291,447	
Winter	45,245:	39,823:	50,348:	Bu.	799,977:	646,325:	1,052,801	
All spring	18,110:	21,669:	20,237:	Bu.	284,687:	334,485:	238,646	
Durum	2,579:	2,518:	2,153:	Bu.	37,950:	34,762:	21,362	
Other spring .	15,530:	19,151:	18,084:	Bu.	246,738:	299,723:	217,283	
Oats	39,667:	36,525:	38,643:	Bu.	1,310,736:	1,321,288:	1,268,280	
Barley	12,315:	9,436:	8,264:	Bu.	306,127:	254,287:	227,008	
Rye	2,294:	1,710:	1,385:	Bu.	28,095:	21,301:	15,910	
Buckwheat	387:	201:	161:	Bu.	6,640:	3,340:	3,163	
Flaxseed	4,043:	3,904:	3,309:	Bu.	38,056:	34,696:	31,002	
Rice	1,569:	1,967:	1,972:	Bags 1/:	32,850:	45,797:	48,660	
Popcorn	142:	135:	166:	Lb.	213,634:	205,149:	253,089	
Sorghum grain ...	7,100:	8,487:	5,089:	Bu.	132,598:	160,195:	83,316	
Sorghum forage ..	6,491:	4,660:	5,005:	Tons 2/:	9,561:	6,455:	4,441	
Sorghum silage ..	766:	802:	706:	Tons 3/:	4,767:	5,623:	3,801	
Hay, all	74,536:	74,442:	74,664:	Tons	101,072:	107,991:	104,424	
Hay, wild	14,188:	14,382:	14,621:	Tons	12,539:	12,145:	10,935	
Alfalfa seed	892:	884:	1,266:	Lb.	76,884:	104,620:	172,810	
Red clover seed .	1,831:	1,458:	1,688:	Lb.	91,257:	86,316:	97,555	
Alsike clover seed:	117:	94:	71:	Lb.	14,592:	14,245:	13,055	
Sweetclover seed :	290:	309:	272:	Lb.	41,250:	48,990:	43,420	
Lespedeza seed ..	900:	639:	646:	Lb.	174,187:	126,270:	122,480	
Timothy seed	366:	294:	248:	Lb.	55,344:	38,720:	33,270	
Beans, dry edible :	1,852:	1,408:	1,272:	Bags 4/:	17,997:	17,341:	16,777	
Peas, dry field .	471:	294:	211:	Bags 4/:	6,011:	3,810:	2,610	
Soybeans for beans:	10,349:	13,545:	14,075:	Bu.	202,068:	282,477:	291,682	
Cowpeas for peas .:	736:	338:	292:	Bu.	4,186:	2,033:	1,709	

1/ Bags of 100 pounds.

2/ Dry weight.

3/ Green weight.

4/ Bags of 100 pounds (uncleaned).

Grains: Imports and exports, specified periods with comparisons

Grain	: Season to date 1/:		Monthly data				
	: July-Oct.:	: July-Oct.:	October:	November:	October:	November:	
	: 1951-52 :	: 1952-53 :	1951 :	1951 :	1952 :	1952 :	2/
--- All data in 1,000 bushels ---							
<u>Imports</u>							
Wheat:	:	:	:	:	:	:	:
For grinding in bond :	514:	3,019:	244:	1,078:	712:	700	
Full duty :	555:	163:	55:	4:	4:	---	
Unfit for human	:	:	:	:	:	:	:
consumption :	10,093:	11,014:	3,439:	3,991:	2,533:	3,000	
Wheat flour in grain :	:	:	:	:	:	:	:
equivalent :	89:	17:	7:	(3) :	0:	---	
Rye :	685:	563:	6:	3:	95:	50	
Corn 4/ :	37:	101:	37:	96:	101:	100	
Oats :	23,466:	24,797:	5,163:	3,371:	5,953:	5,000	
Barley :	4,465:	7,203:	2,618:	2,241:	3,739:	4,000	
Soybeans :	(3) :	(3) :	(3) :	(3) :	(3) :	---	
Flaxseed :	(3) :	0:	(3) :	(3) :	0:	---	
<u>Exports</u>							
Wheat :	131,576:	92,003:	30,136:	35,186:	29,081:	16,800	
Wheat flour in grain :	:	:	:	:	:	:	:
equivalent:	:	:	:	:	:	:	:
U. S. wheat :	13,262:	12,624:	3,418:	3,975:	3,167:	3,200	
Canadian wheat ... :	614:	3,030:	18:	440:	446:	450	
Rye :	423:	441:	3:	0:	60:	---	
Corn :	5,086:	7,161:	5,086:	6,076:	7,161:	15,000	
Oats :	515:	152:	38:	331:	27:	30	
Barley :	11,884:	18,063:	1,281:	1,002:	4,055:	3,000	
Grain sorghums :	5,469:	(3) :	5,469:	3,906:	(3) :	1,000	
Soybeans :	1,194:	2,745:	1,194:	3,514:	2,745:	5,500	
Flaxseed :	1,933:	179:	352:	387:	(3) :	0	

- 1/ The season for corn, grain sorghums, and soybeans begins October 1 instead of July 1.
- 2/ Unofficial estimates based on boat loadings, inspections, and Canadian reports of U. S. imports.
- 3/ Less than 500 bushels.
- 4/ Mostly imports into Puerto Rico.

UNITED STATES DEPARTMENT OF AGRICULTURE
Production and Marketing Administration
Grain Branch
Washington 25, D. C.

January 9, 1953

Dear Sir:

Attached is a copy of the first issue of a new report entitled, "Grain Market News and Statistical Report". The purpose of the report is twofold. One objective is to compile in one report a brief summary of the most important government announcements relative to grain. The second objective is to present more complete and current statistical information in a manner that permits easy comparison of related data for similar periods of time.

The report will consist of a brief narrative description of the factors affecting the grain market during the week, including an analysis of prices, significant items in the statistical tables, as well as background facts not revealed by the tables. It is proposed that the tables on pages 3 to 6 be issued regularly each week. Data available on a monthly basis will be included as they are released. Other tables on price support announcements and goals will be included from time to time.

It is proposed to send this report to you for three or four weeks. This will give you an opportunity to review the type of information to be presented in the report. Subsequently an inquiry will be made of you to determine whether you desire to be placed on the mailing list to continue to receive the report.

Yours very truly,

Thomas J. McGuire

Thomas J. McGuire, Chief
Market News and Services Division

Attachment

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
RESEARCH REPORT
NO. 10, 1954

1954

1954

The following is a summary of the results of the experiments conducted during the year 1954. The experiments were designed to determine the effect of temperature on the rate of reaction between the reactants. The results show that the rate of reaction increases with increasing temperature. The activation energy of the reaction was determined to be 15.2 kcal/mole.

The rate of reaction was determined by measuring the change in concentration of the reactants over time. The concentration of the reactants was determined by titration with a standard solution of sodium hydroxide. The rate of reaction was found to be first order with respect to the concentration of the reactants. The activation energy of the reaction was determined by plotting the logarithm of the rate constant against the reciprocal of the absolute temperature. The activation energy was found to be 15.2 kcal/mole.

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